



## GENERAL INFORMATION

- Scrapes old grease from ship's wire rope and applies new grease in one continuous process.
- Eliminates the issue of spent solvents and greasy rag waste resulting from the manual cleaning of ships' wire ropes.
- Greatly reduces the man power and time required to clean and lubricate cable.
- TM Number S9582-BH-MMO-010
- APL: 658880017
- NSN: 4930-01-424-2197

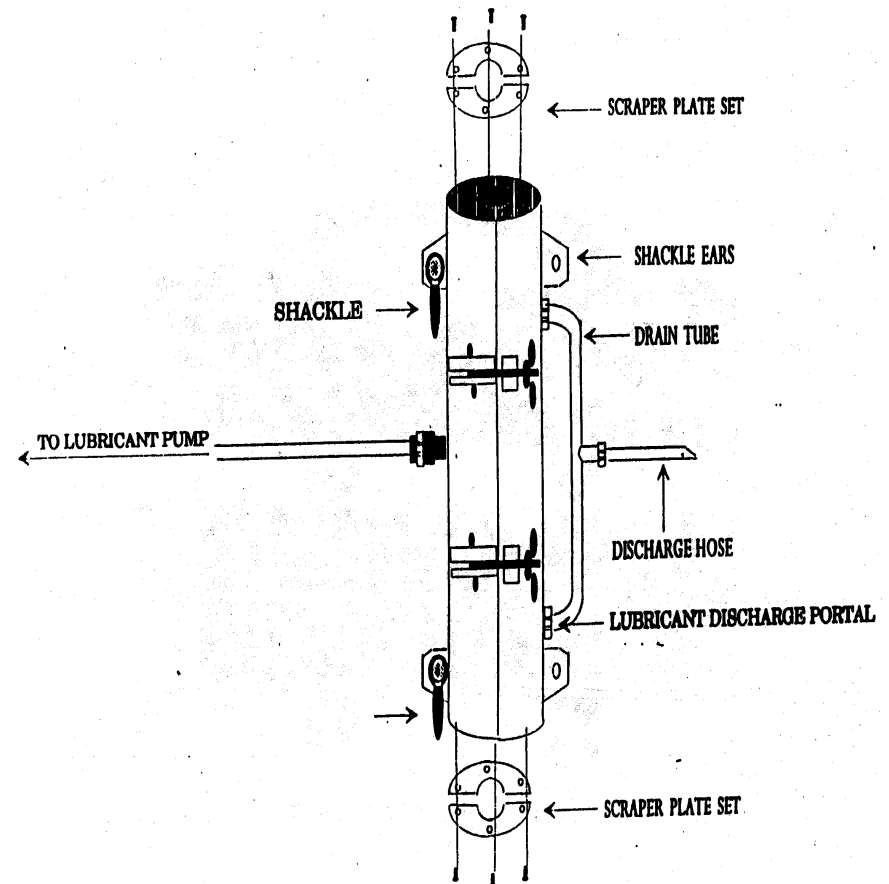
## OPERATIONAL INFORMATION

- Pull as much wire rope off of the winch as possible.
- Measure the rope using a micrometer to verify diameter and select correct size seal and scraper plate kit and groover kit. (Measure edge of one side to the other. Do not measure valley to valley.)
- Install seal kits into the lubrication collar and verify that the two halves interlock properly. Lubricate the seal grooves and faces generously.
- Install scraper plate on discharge of lubrication collar only.
- Clean the wire rope where the groove cleaner will attach.
- Ensure lay and diameter of the groover matches the lay and diameter of the rope.
- Lubricate the inside of the groovers.
- Attach groovers to rope. Ensure both groover halves are facing the same direction and install the follower plate, drum cover, and pump unit on a 5 gallon pail of grease.
- Secure tie down chains to lubrication collar.
- Verify airline lubricator contains lubricant.
- Turn on air pressure and open lube flow control valve as the rope is pulled through collar. Run on lowest speed Adjust valve position to ensure rope is well greased and little grease is coming out of clear PVC discharge hose. Groove cleaner should rotate against the lubrication collar housing.
- Remove system and clean with light grease cutting solvent or put plastic parts in aqueous part washer.



## SAFETY INFORMATION

- Do not exceed pressure rating of any system component.
- Check hoses for damage and insure connections/fittings are secure prior to operation.
- Release all system pressure before any service or disassembly of unit.
- Chains or slings used must be able to withstand initial line pull of 600 lbs.
- Ensure personnel are clear of the exit end of the lubrication collar during lubrication process.
- Ensure that all shackles and fittings are tighten prior to operation.
- Do not run system unless airline lubricator has oil in it.
- Old encrusted grease on smaller cables can tear up the groover, may spray degreaser on to soften grease prior to cable cleaner use.





## General Information

- The Pneumatic Backpack Vacuum helps make the collecting of paint chips and debris easy while preventing inadvertent discharge into coastal waters.
- The vacuum can be used safely and effectively to vacuum dry wastes in smaller spaces.
- The unit uses a polyliner and paper bag to catch all debris and the bag can be readily removed when full and disposed of as hazardous waste.
- A microfilter helps to stop any release of particles into the surrounding air.
- TM Number S9593-CS-CAT-010.
- APL: 41A000010
- NSN: 0099-LL-H55-1369

## Operational Information

- Air Requirements: 70 scfm @ 90 psi
- A mountable back frame allows the operator to carry the vacuum system on their back while controlling the hose.
- A variety of attachment ends in which the operator is able to move into narrow and hard to reach spaces.
- Different lengths of wands are supplied to make it possible for the operator to stand while cleaning an area.
- For use with supplied needle gun and grinder.
- Replace microfilter as required or every 3 to 6 months.
- Two filters (Bag and HEPA)
- Dip plastic bag under air inlet when installing
- Replace filter in airing filter every 3-6 months
- 2104 or tool oil for air line lubricator (small screw on side of lubricator)
- Put anti-seize compound on threaded

## Safety Information

- Pneumatic Backpack operators are required to wear safety goggles and/or face shields, protective coveralls, respirator, and hearing protection.
- Do not use with liquids or explosive materials.
- When vacuuming hazardous materials, use the correct filter and use care when removing them to avoid releasing dust.



## General Information

- The vacuum sanding system prevents inadvertent overboard discharge of paint waste generated by shipboard corrosion control activities.
- The vacuum has a triple filtration system including a pre-filter, a 1-micron main filter, and a high efficiency particle arresting (HEPA) filter that removes all particles greater than 0.3 microns at a 99.99% retention.
- The sanding system is equipped with a y-connection that allows for two people to use the system at once.
- The unit can also be used as a dry vacuum.
- The system includes three pneumatic grinders and a needle gun.
- TM Number S9593-CS-CAT-010
- APL: 41A000023
- NSN: 0099-LL-H55-4173



## **Operational Information**

- Power requirements: 115 Volts, 13.5 amps, 60 Hz
- Air power supply: ~120 psi (max)
- For dry recovery the collection bags, micro and HEPA filter must be used.
- A manometer that senses the air pressure inside the vacuum will signal the operator when the airflow is being obstructed. This should be a signal as to when either the micron or HEPA filter are bad.
- Change the HEPA filter as required or every fourth time the micron filter is changed.
- A wheeled cart is provided to improve unit mobility.
- Vacuum cleaner must be grounded.
- Four stage filtration
  - Paper bag
  - Main filter (Clean weekly) Dry before putting back in unit
  - Microfilter sock (Cleaned or changed yearly)
  - HEPA (Change yearly)
- Change filter (s) when pressure gauge reads in the Red zone

## **Safety Information**

- Do not use this vacuum to collect hazardous or explosive materials.
- System operators are required to wear respirators, safety goggles and/or face shields, protective coveralls, and hearing protection.
- Ventilation: Standard work center-occupied space air exchange required.
- Turn off air supply before installing, removing, or adjusting any accessory on the air tools, or before performing any maintenance.



# Points of Contact

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Keith Stinnette  
Norfolk Area Representative  
NSWCCD-SSES Code 631  
(757) 444-3872 x1331

James Bergen/Julius Martin  
Norfolk Area Representative  
FTSCLANT  
(757) 444-3872 x1337

Russ Kilkenny  
Mayport Representative  
FTSCLANT Det. Mayport  
(904) 270-6030 x266

Steven Doyle  
Mayport Representative  
FTSCLANT Det. Mayport  
(904) 270-6030 x278

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Thomas Luchay  
In-Service Engineering Agent  
NSWCCD-SSES Code 631  
(215) 897-1081

John Fox  
San Diego Area Representative  
NSWCCD-SSES Code 631  
(619) 556-6021

Robert Marshall  
San Diego Area Representative  
FTSCPAC  
(619) 556-0713

Gary Nichols  
San Diego Area Representative  
FTSCPAC  
(619) 556-3693

Martin Cohen  
Scheduling  
NSWCCD-SSES Code 631  
(215) 897-1064

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Drew Jackson  
Life-Cycle Manager  
NSWCCD Code 632  
(301) 227- 5243